

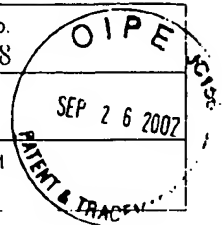
Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
13445-006001Application No.
10/068,998**Information Disclosure Statement
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant
Max Shurgalin et al.Filing Date
February 7, 2002

Group Art Unit

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
TN	AA	3,982,816	09/1976	Watkins			
	AB	4,081,258	03/1978	Goell et al.			
	AC	4,236,904	12/1980	Lazay			
	AD	4,269,483	05/1981	Feldtkeller			
	AE	4,583,851	04/1986	Yataki			
	AF	4,678,327	07/1987	Yoshida et al.			
	AG	4,793,840	12/1988	Harding			
	AH	4,890,915	01/1990	Byvik et al.			
	AI	5,172,421	12/1992	Nakamura, et al.			
	AJ	5,185,636	02/1993	Button et al.			
	AK	5,449,393	09/1995	Tsuneishi, et al.			
	AL	5,534,994	07/1996	Hanson et al.			
	AM	5,786,891	07/1998	Jakobsen, et al.			
TN	AN						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
	AO						Yes	No
	AP							
	AQ							
	AR							
	AS							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
TN	AT	C. Martijn de Sterke et al., "Differential losses in Bragg fibers," J. Appl. Phys. 76 (2) pp. 680-688, July 15, 1994.
TN	AU	T. A. Birks et al., "Full 2-D photonic bandgaps in silica/air structure," Electronics Letters, Vol. 31, No. 22, pp. 1941-1943, October 26, 1995.

Examiner Signature

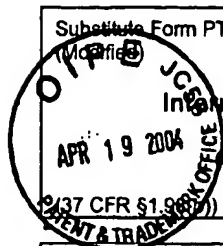
TN

Date Considered

12/10/04

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		Filing Date February 7, 2002	Group Art Unit 2877



U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
TN	AA	5,289,265	02/22/94	Inoue et al.	—	—	

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
	AB						Yes No

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AC	

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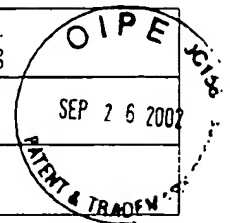
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Group Art Unit

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**Other Documents (include Author, Title, Date, and Place of Publication)**

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TN	AV	T. Erdogan et al., "Circularly symmetric operation of a concentric-circle-grating, surface-emitting, AlGaAs/GaAs quantum-well semiconductor laser," Appl. Phys. Lett. 60 (16) pp. 1921-1923, April 20, 1992.
	AW	Y. Fink et al., "Guiding optical light in air using an all-dielectric structure," Journal of Lightwave Technology, Vol. 17, No. 11, pp. 2039-2041, November 1999.
	AX	Stig E. Barkou et al., "Silica-air photonic crystal fiber design that permits waveguiding by a true photonic bandgap effect," Optics Letters, Vol. 24, No. 1, pp. 46-48, January 1, 1999.
	AY	J. C. Knight et al., "Photonic band gap guidance in optical fibers," SCIENCE, Vol. 282, pp. 1476-1478, November 20, 1998.
	AZ	2001 OmniGuide Long-Haul Fiber, OmniGuide Communications Inc., Cambridge, MA
	AAA	2001 OmniGuide Passive Electromagnetic Mode Conversion in Multi-mode Waveguides and Optical Fibers, Cambridge, MA
	ABB	P. Yeh et al., "Theory of Bragg Fiber", J. Opt. Soc. Am., Vol. 68, pp. 1196, 1978.
TN	ACC	M. K. Barnoski et al., Applied Optics, Vol. 16, pp. 2375, 1977.

Examiner Signature

TN

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12/10/04

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